

Fig. 5

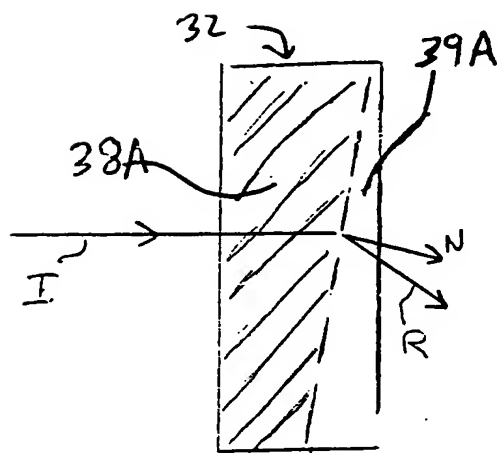


Fig. 5A

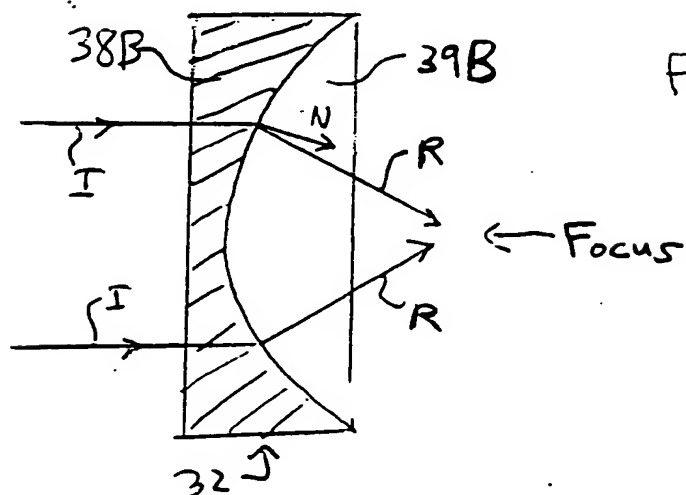
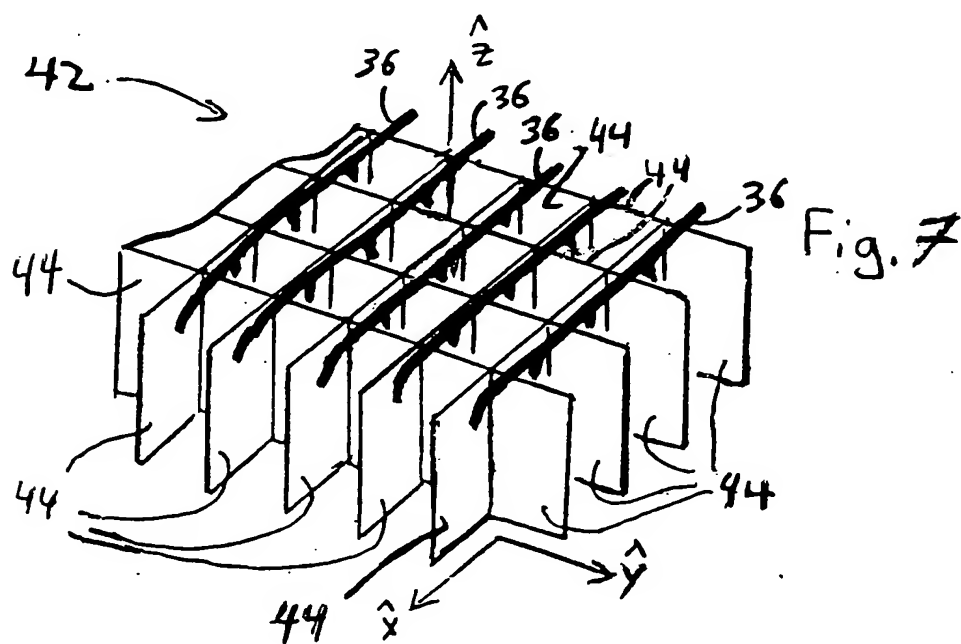
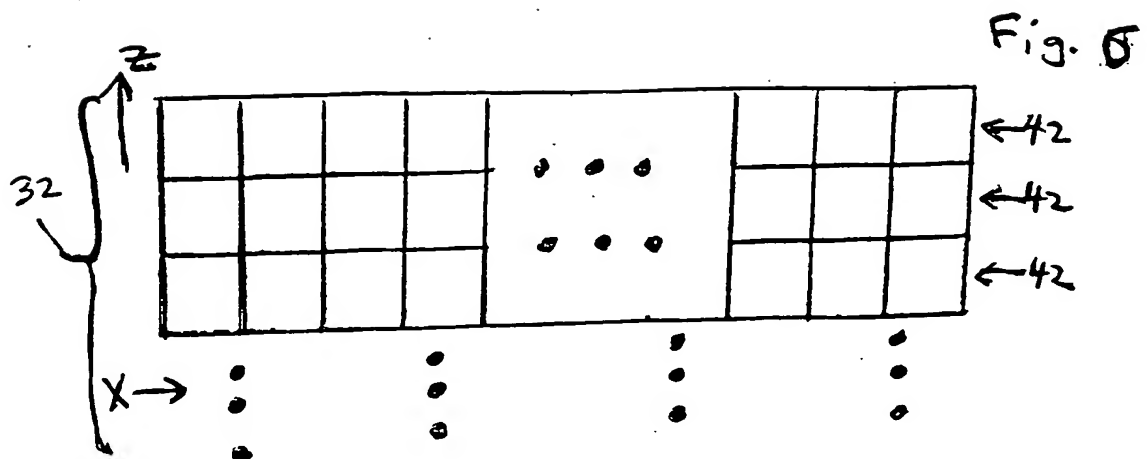
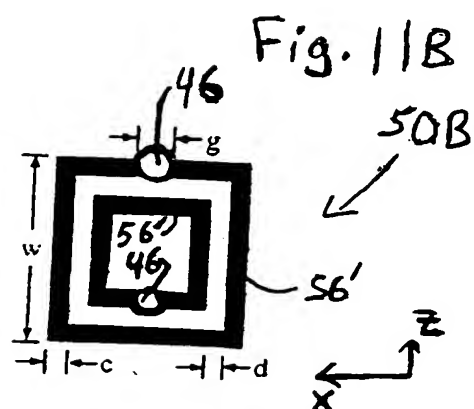
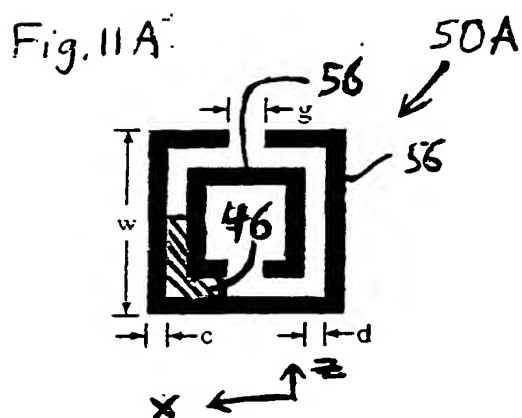
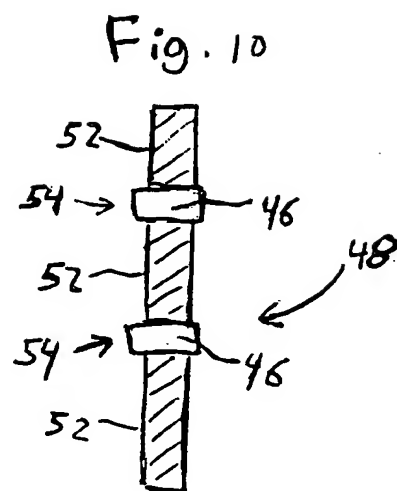
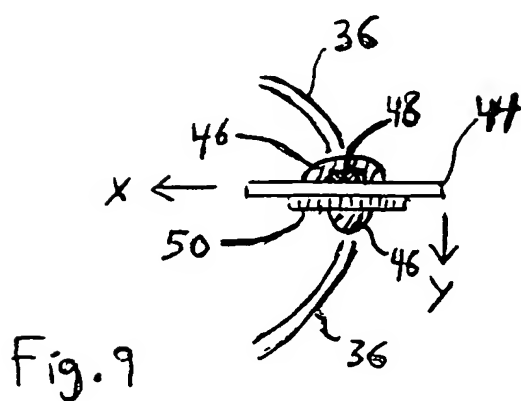
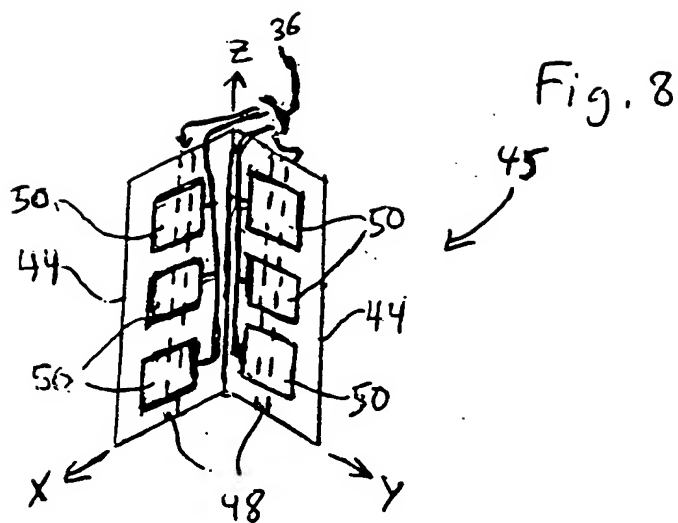


Fig. 5B





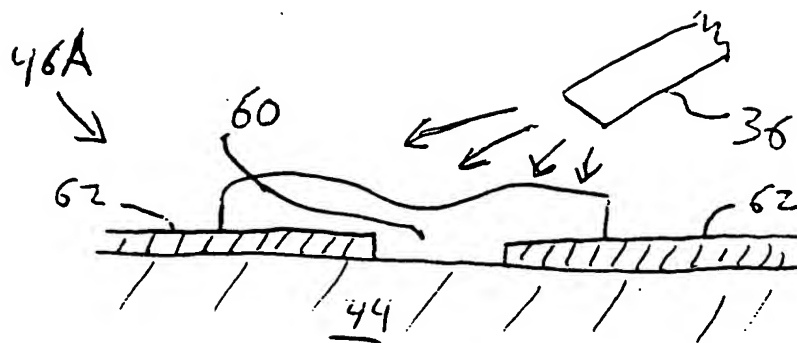


Fig. 12A

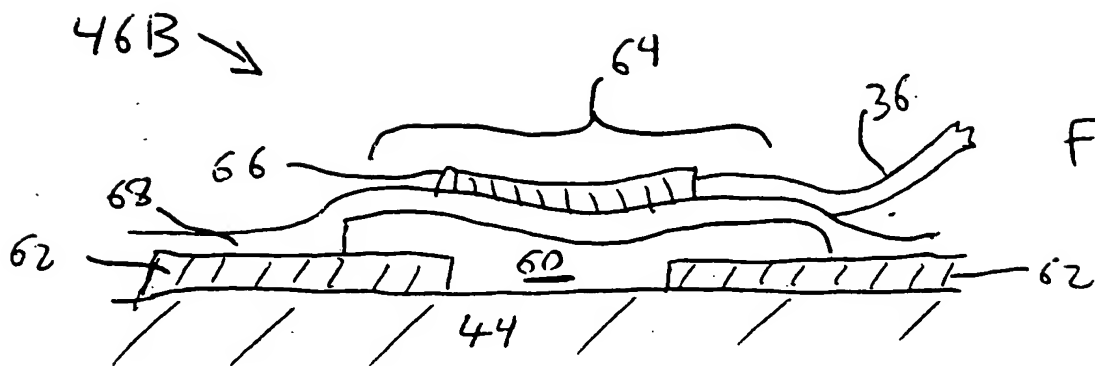


Fig. 12B

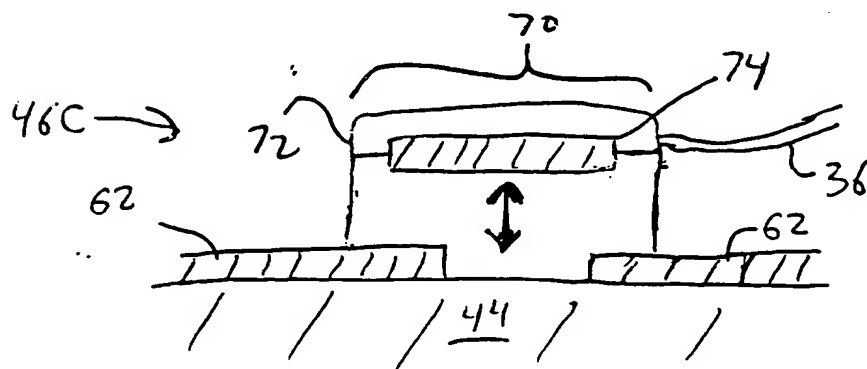
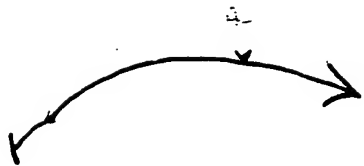
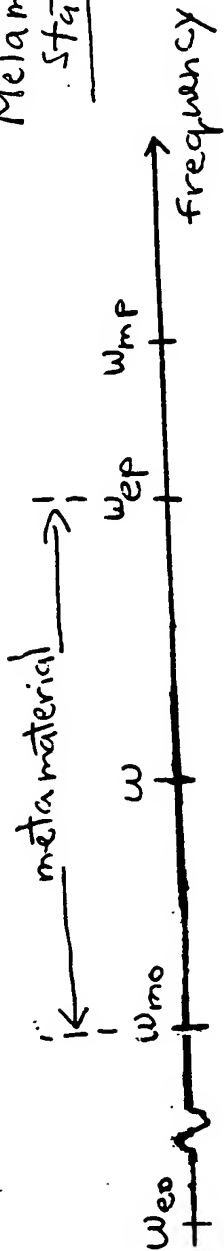


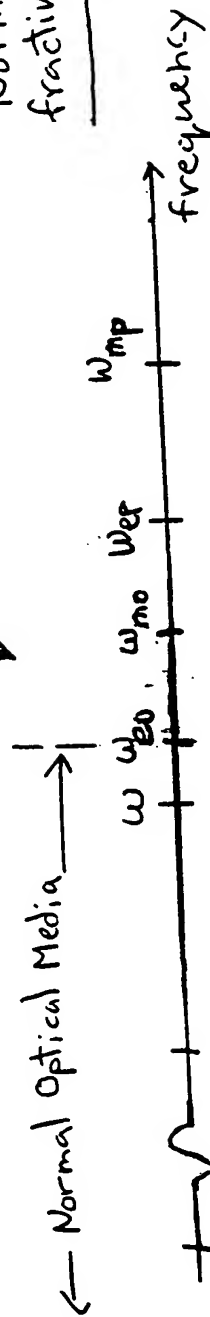
Fig. 12C

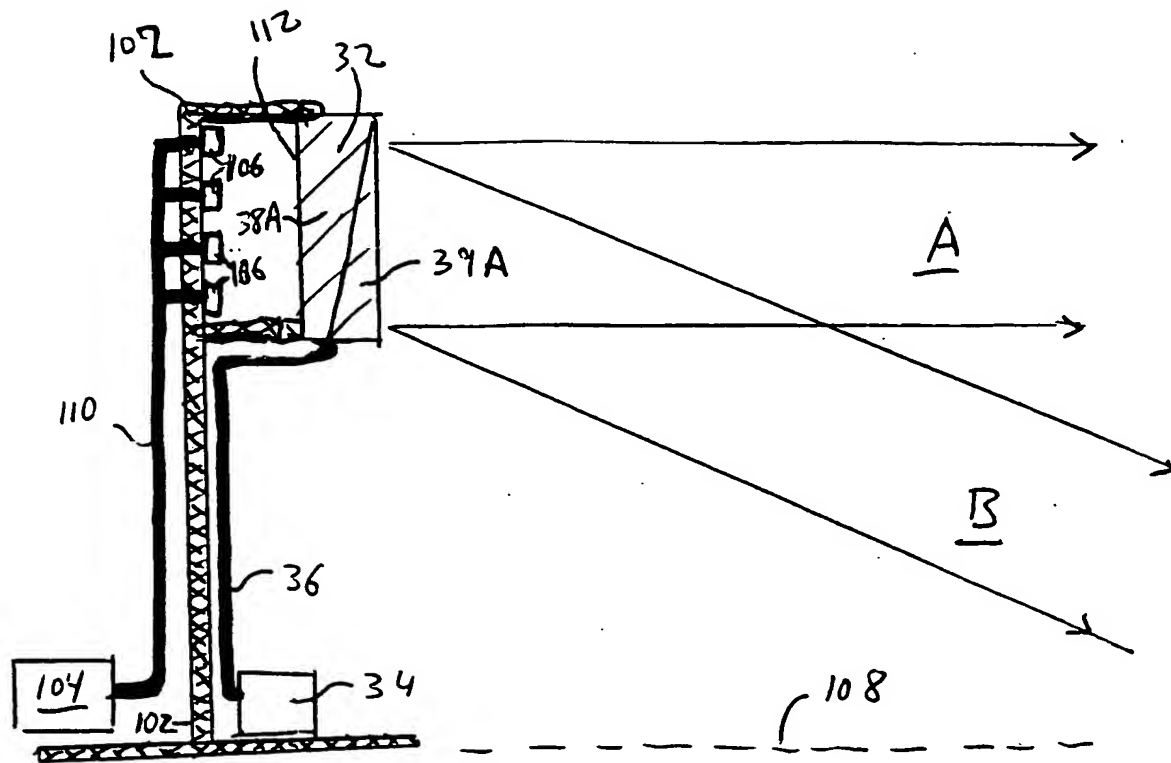
Fig. 13

Metamaterial
state



Normal Re-
fraction State





100

Fig. 14

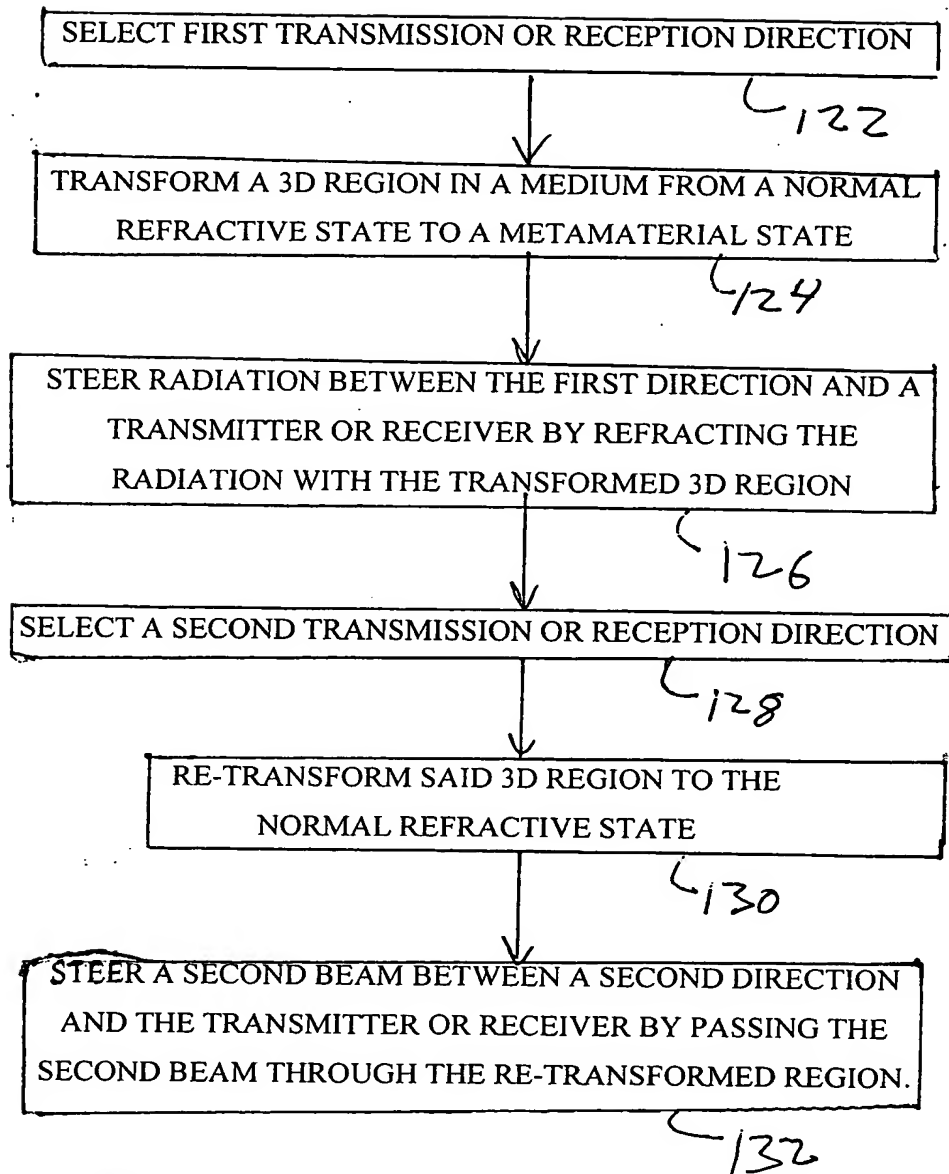


FIGURE 15